	U6 SBAC Practice	Name		Period	
		cs and Finding Key Features [F-]	[F.4]		
1.	Select true or false t	for each statement.	f(x)	y y	
	A) The line of symm	netry for $f(x)$ is $x = -1$ .		7	
	True	False			
	B) The maximum y	-value of $f(x)$ is less than the		3	
	minimum y-value o	f the function $g(x) = (x+1)^2 + 7$			
	True	False	-6 -5 -4 3 -2 -1	-1 1 2 3 4 5 6 -2 -1 -2	
	C) $f(x)$ has two x-int	tercepts.		-3	
	True	False	4	-6	
2.	Find the domain an	d range for the function. Explain	your reasoning.		
	h(x) = -2(x)				
3.	<b>Select</b> the value of a	that would result in the function	$g(x) = x^2 + dx + 4$ having or	nly one x-intercent	
	Select the value of d that would result in the function $g(x) = x^2 + dx + 4$ having only one x-intercept. Explain your reasoning.				
	Explain your reason				
	A) 0 B)	1			
	C) 4 D)	16			
Part H	B: Transformations w	ith Quadratics [F-BF.3]			
4.					
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	C: Solving Quadratics & The Quadratic Formula A-RE	1.40
5.	Solve the equation, showing your work.	
	A) $2x^2 - 50 = 0$	B) $13x^2 - 49 = 0$
	C) $x^2 - 12x + 20 = 0$	D) $x^2 + 6x + 10 = 0$
6.	Select any equations with no real solutions. Justify ye	our reasoning
0.		
	A) $x^2 + 4x + 4 = 0$ B) $x^2 + 5x + 1 = 0$	=0 C) $x + 2x + 7$
Part I	D: Modeling with Quadratics [A-SSE.3a, A-SSE.3b]	
7.	Sketch a graph that represents the height of a stone at	pove the ground in meters, y, with respect to time
	in seconds, x, after it has been thrown straight up into	